

Docket No. 217 – Development and Management Plan Inspection

Northeast Utilities Service Company Certificate of Environmental Compatibility and Public Need for the construction of a 345-kV electric transmission line and reconstruction of an existing 115-kV electric transmission line between Connecticut Light and Power Company's Plumtree Substation in Bethel, through the towns of Redding, Weston, and Wilton, and to the Norwalk Substation in Norwalk, Connecticut.

Date: July 19, 2005

Inspector: Diana Walden

Location: 345kV XLPE Component

Storm/

Rain Event: Between 0.13-0.53" of rain was recorded on 7/18 with possible localized totals over 1" as reported by NOAA and depending on location.

Areas of Inspection	Observation	Recommended Action	Corrective Action
Access Roads and Adjacent Roadways	-The jack and bore of East Swamp Brook is accessed from the roadway. The crane pad was recently removed and the access area is being cleaned up. 7/19/06.	- Equipment is located on both sides of the bore as well as in the adjacent ball park. 7/19/06.	- Not applicable (N/A)
	- No obvious sediment tracking was present on the roadway but silt fence is up along some ruts noted in the ballpark yard. 7/5-7/19/06	- The adjacent area will be restored when access is complete. Monitor tracking on the roadway. 6/20-7/19/06	-Silt fence is in place at the ballpark
	- Vault access continued to be noted on Rt 58 and along Whittlesey Dr. 7/12-7/19/06	- None at this time. 7/19/06	- N/A
	- The gully/ washout along the slope of Whittlesey Dr. was seeded and mulched and grass was noted. 7/19/06	-If the vegetation can continue to establish before significant rains, the area should stabilize. 7/12-7/19/06	- The washout was seeded and mulched.
	-Timber swamp mats were in place at the Hoyts Hill access off Rt. 58. This is not for 345kV XLPE work.6/20-7/19/06	- 345kV XLPE crews will restore the area and remove stone when applicable, following the	- Needs attention when work is complete.

Areas of Inspection	Observation	Recommended Action	Corrective Action
		access needs. Do not access without mats in place. 7/19/06	
Trench and foundation construction	- Work at the jack and bore of East Swamp Brook located at the intersection of Plumtrees Rd. Walnut Hill Rd. and Whittlesey Dr. is almost complete. The bore is complete under the channel and all sheet piling is out of the stream. The crane has been removed and the area is demobilizing. 7/19/06	- The stream appeared to be in good condition with clear water and a natural stream bed. Restoration work is still planned for the banks. 7/19/06	-The bore is complete and all sheet piling is out of the stream
	- Sandbags and liners have been removed from the banks as well as preparations are being made to restore the area. 7/19/06	-See erosion control section for restoration recommendations. 7/19/06	- N/A at this time
	- Repair of guardrails and miscellaneous tasks along Rt 58 remain. Vault access was noted here at the time of inspection 7/19/06 -Vaults were being accessed to pull cable between several locations. 5/25-7/19/06	- None at this time. 7/19/06 - None at this time. 7/19/06	-N/A - N/A
Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)	- Silt fence is in good shape at vault 2A&B. Adjacent areas are well restored and vegetative cover continues to establish. 7/12-7/19/06	- Continue to monitor but the restoration efforts were good and grass is growing. 7/19/06	-Vegetative growth was noted
Jack and Bore	-Work is wrapping up here. The sandbags and liners have been removed and the banks should be restored shortly. 7/19/06	- Excess gravel will be removed from the banks and they will be seeded and mulched. Erosion control mats are recommended to ensure	-Sandbags were removed

Areas of Inspection	Observation	Recommended Action	Corrective Action
	<p>- Some silt fence was up on a portion of the bank but a small stockpile pile was adjacent. 7/19/06</p> <p>- The sheet piling has been removed from the stream completely but remains up at the receiving pit. 7/19/06</p> <p>-Silt fence is up along the access to the stream in the ballpark entrance due to some tracks from the equipment. 7/5-7/19/06</p>	<p>stabilization. 7/19/06</p> <p>- The controls should be extended due to the stockpile. The dirt will be placed back in the receiving pit soon. 7/19/06</p> <p>-The stream was still running clear at the time and the bed has been restored. 7/19/06</p> <p>- None at this time. The area will be restored when work is complete. 7/5-7/12/06</p>	<p>- Needs attention</p> <p>- Sheet piling was removed</p> <p>-N/A at this time</p>
Whittlesey Dr and Judd Ave	<p>- The gully/ washout along the slope of Whittlesey Dr. was seeded and mulched and some grass growth was noted. 7/19/06</p>	<p>-Continue to monitor. If vegetation can establish before the next significant storm it should stabilize. 7/12-7/19/06</p>	<p>- Grass growth was noted.</p>
	<p>- Vault access continues on previously restored areas and vault 5 is one of the few remaining areas to restore. 7/19/06</p>	<p>- Continue to monitor and restore as new access finishes up. 7/19/06</p>	<p>- N/A</p>
Hoyts Hill	<p>- Mats remain the base of slope at Hoyts Hill. Access is needed for other contractors pulling wire. 345kV crews will be restoring this area when access is complete. 7/5-7/19/06</p>	<p>-When access needs are complete, restore and allow wetland vegetation to return. All stone and gravel will have to be removed carefully and then high organic content soil should be placed here. Do not fill over the gravel. 7/5-7/19/06</p>	<p>-N/A until access is done.</p>
Inland Wetland and Watercourse encroachment and mitigation	<p>-Work in East Swamp Brook under ACOE clearance is almost complete. Sheet piling is removed and the</p>	<p>- Bank restoration remains. When the area is restored, make sure all excess gravel is removed and the banks are restored</p>	<p>-N/A at this time</p>

Areas of Inspection	Observation	Recommended Action	Corrective Action
	streambed was restored 7/19/06	with additional controls such as erosion mats/blankets 7/12- 7/19/06	
State species of concern, threatened and endangered species	-The D&M plan and clearance letter states that state-listed species are not located in this work area. -The wood turtle was noted at Plumtree Substation during the 5/25/06 inspection.	- N/A -345kV XLPE crews should also be performing daily walkthroughs before moving equipment if working in this vault. Be vigilant when moving equipment. 4/26-7/19/06	-N/A - Crews were informed
Vegetative clearing limits (including trees to save or danger trees noted)	- Other restored areas had noticeable grass growth. Roadside areas along Rt 58 were restored. 7/19/06 - Vault 2 remains well restored and vegetative cover was increasing in the adjacent areas. 7/19/06 - The area near vault 5 and adjacent to the ballpark remain to be restored. 7/12-7/19/06	- Continue to monitor for final stabilization and restore any recently accessed areas if necessary. 7/19/06 - The area is in good condition. 7/19/06 - These areas will be restored when access needs are complete. 7/5- 7/19/06	- N/A - N/A - N/A until access needs are complete
Dewatering	- The dewatering system from well points at the jack and bore had resumed in order to keep the trench workable. 6/28-7/19/06	- Continue to use all necessary controls. 6/7- 7/19/06	- N/A
Blasting	- No blasting is occurring at this work area.	- None at this time.	-N/A
Soils	- Topsoil remains stripped and stockpiled at the contractor yard. 3/15-7/19/06	- None at this time. Controls are well installed here. 3/15-7/19/06	- N/A -N/A
Spills and Material	- Equipment should be stored overnight up to	- Report spills immediately, even if they	-N/A at the time

Areas of Inspection	Observation	Recommended Action	Corrective Action
Storage Areas	100ft or as far from resource areas where practicable. 1/19-7/19/06 - Environmentally safe, biodegradable hydraulic oil was being used in the generator on site of the jack and bore. 7/19/06 - The crane set up area is being demobilized at this time. 7/19/06	are being controlled. - Any fuels and agents not in use should be covered and stored before leaving for the day. - Continue to keep all vehicles maintained well (i.e. no apparent fluid leaks) if they will be used or stored on site.	

Next likely scheduled inspection:

Wednesday July 26, 2006

I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief, and I understand that any false statements made in this document or its attachments may be punishable as a criminal offense in accordance with Section 22a-6 under Section 53a-157 of the Connecticut General Statutes.

Inspector's Signature: Diana Walden



345kV XLPE: Both photos show the slope along Whittlesey Drive where the erosion/washout along the sidewalk was repaired and reseeded. Some areas are beginning to show grass growth and are stabilizing. 7/19/06



Photo on the left shows vault 2, with increasing vegetative cover establishing in the adjacent areas. Photo on the right shows equipment and materials for the jack and bore. These are being removed as the area is demobilized. 7/19/06



Photo on the left shows the streambank following removal of the sand bags and liners. The excess gravel will be removed and the banks will be seeded and mulched. Erosion control matting is being considered. Photo on the right shows the opposite bank. Silt fence should be extended until the sediment stockpiles are placed back into the trench. 7/19/06



Photo on the left shows a view of the stream following the completion of the jack and bore under the channel. The water remains clear with a natural streambed. Photo on the right shows vault 5, which is one of the few remaining areas to restore. 7/19/06